

Office of Hydrogen, Fuel Cells & Infrastructure Technologies (proposed)



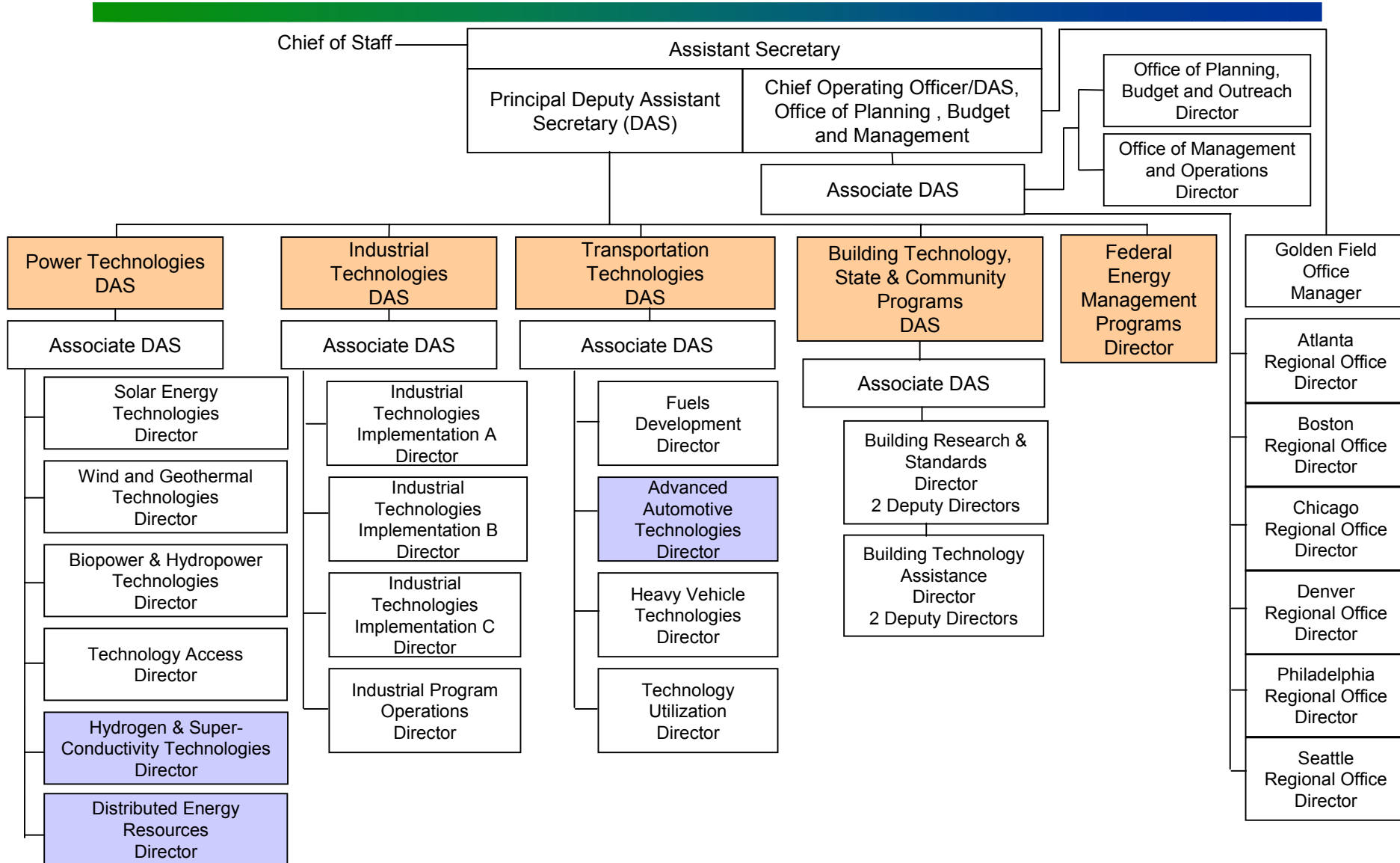
Steve Chalk

May 6, 2002



Current “Market Sector” Model

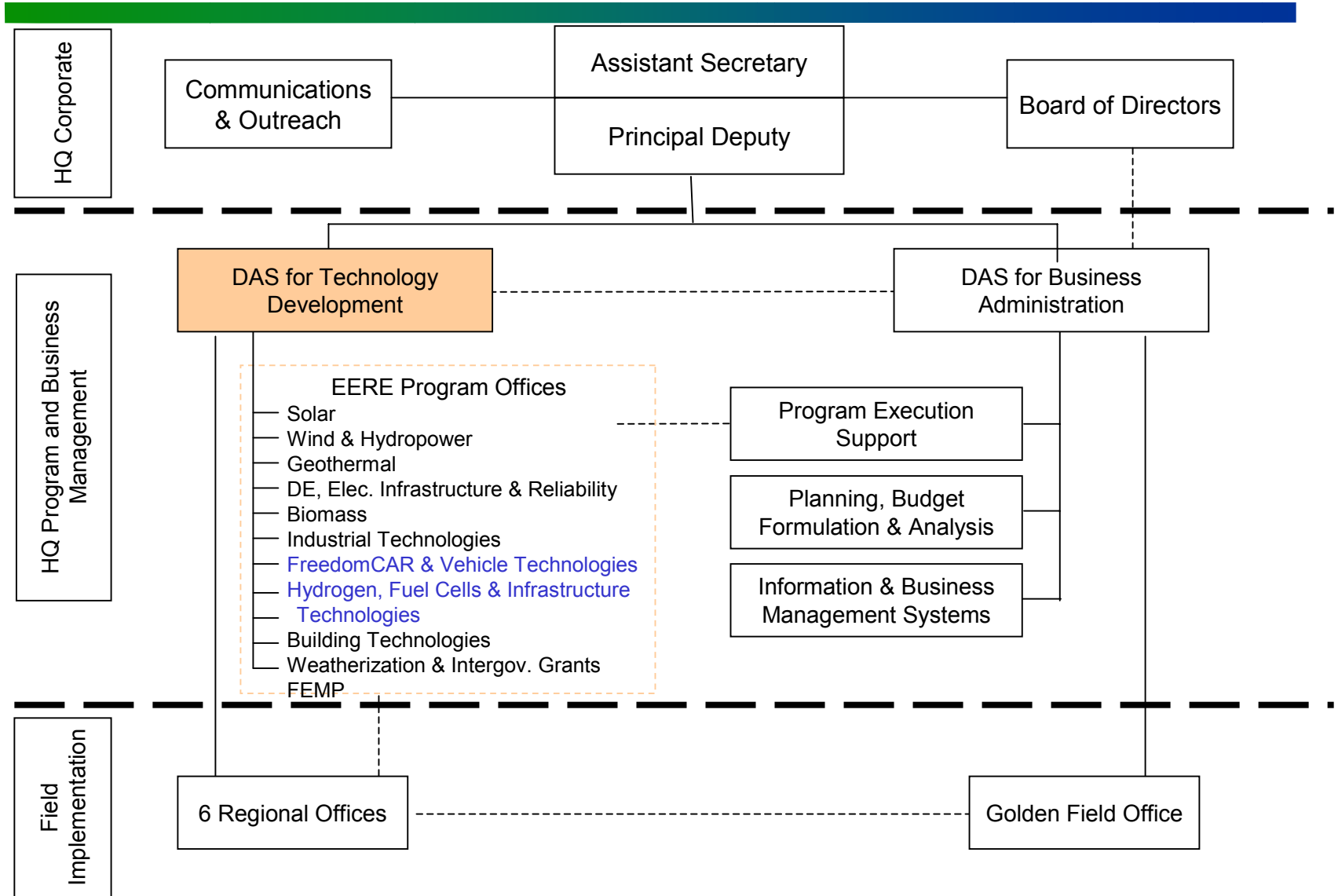
Office of Energy Efficiency and Renewable Energy





Proposed Streamlined, Integrated, and Focused Model

Office of Energy Efficiency and Renewable Energy





EERE Fuel Cell and Hydrogen Funding (\$K)

Interior Appropriations				
TRANSPORTATION FUEL CELL R&D	FY 2001	FY 2002	FY 2003	Increase
Systems	7,405	7,600	7,600	0 (0%)
Components	12,052	12,825	14,900	2,075 (+16%)
Fuel Processing & Storage	20,806	21,300	24,100	2,800 (+13%)
Field Evaluations	0	0	3,000	3,000 (New)
Technical Support Services	400	200	400	200 (+100%)
TOTAL	40,663	41,925	50,000	8,075 (+19%)
DISTRIBUTED GENERATION TECH.				
TOTAL, Stationary Fuel Cells	5,440	5,500	7,500	2,000 (+36%)
Energy & Water Appropriations				
HYDROGEN RESEARCH				
Core Research and Development	14,438	14,426	19,331	4,905 (+34%)
Technology Validation	9,009	10,320	15,000	4,680 (+45%)
Analysis and Outreach	3,147	4,437	5,550	1,113 (+25%)
TOTAL	26,594	29,183	39,881	10,698 (+37%)



Organizational R&D Priorities

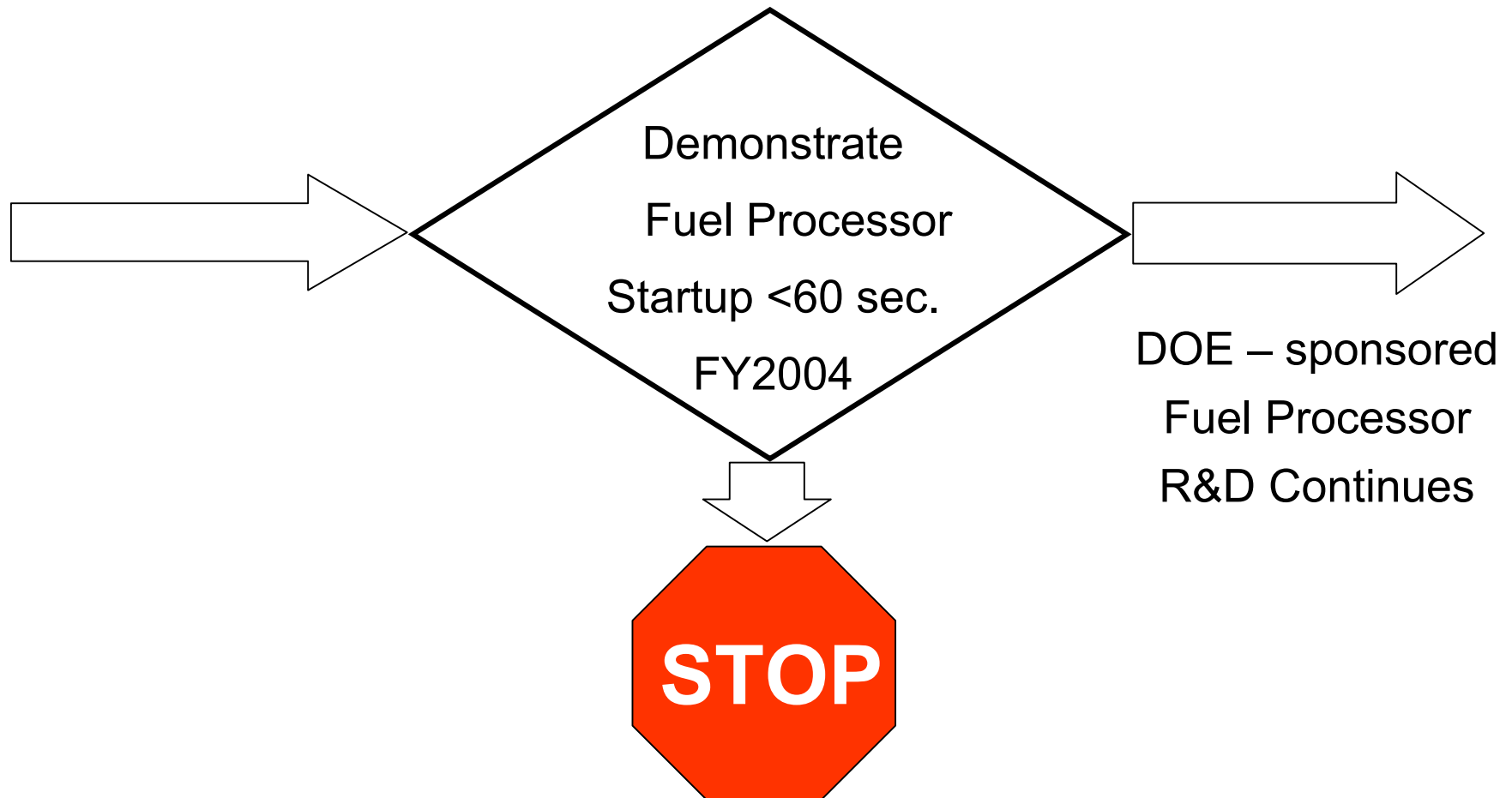
- 1. Hydrogen Storage***
- 2. Hydrogen Production***
- 3. Fuel Cell Cost Reduction***



Major Fuel Cell Decisions

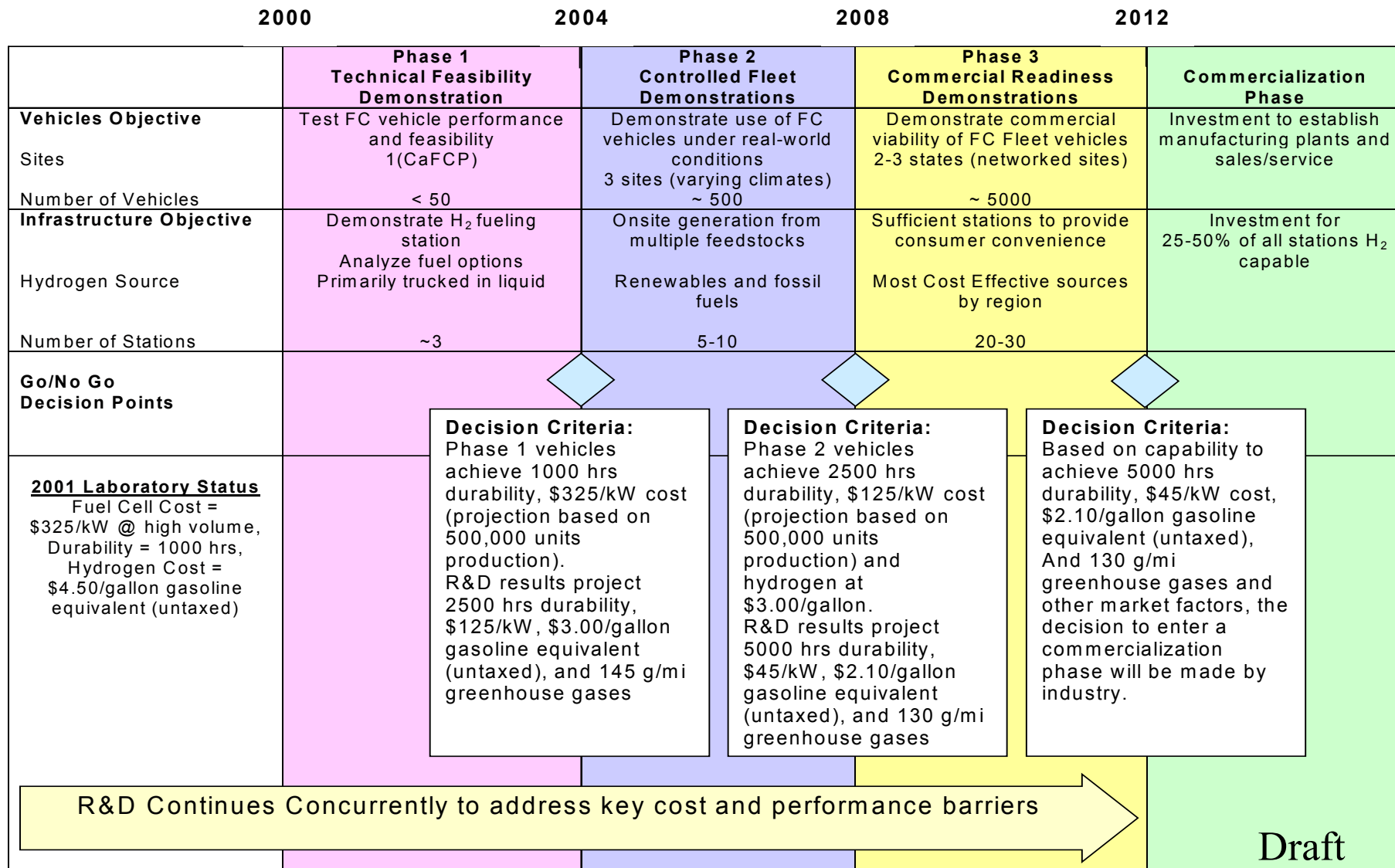
Fuel Flexible Fuel Processing

GO/NO GO DECISION





PARTNERSHIP FOR VEHICLES/ INFRASTRUCTURE DEMONSTRATIONS





Hydrogen Vision/Roadmap

“Focus research and development efforts on integrating current programs regarding hydrogen, fuel cells, and distribution...” —
National Energy Policy

Hydrogen Vision/Roadmap Workshops held
2001 & April 2002 with industry stakeholders

- ✓ Hydrogen Vision complete
- ✓ Hydrogen Roadmap to be completed
May/June 2002
- ✓ www.eren.doe.gov/hydrogen/features.html



***“The President’s Plan directs us to explore the
possibility of a hydrogen economy....”
Spencer Abraham, Secretary of Energy***